

## Region 3 GPRA 2008 Baseline RCRA Corrective Action Facility

# **BÖHLER-UDDEHOLM SPECIALTY METALS, INC. (FORMERLY TELEDYNE ALLVAC / FORMERLY C-K COMPANY)**

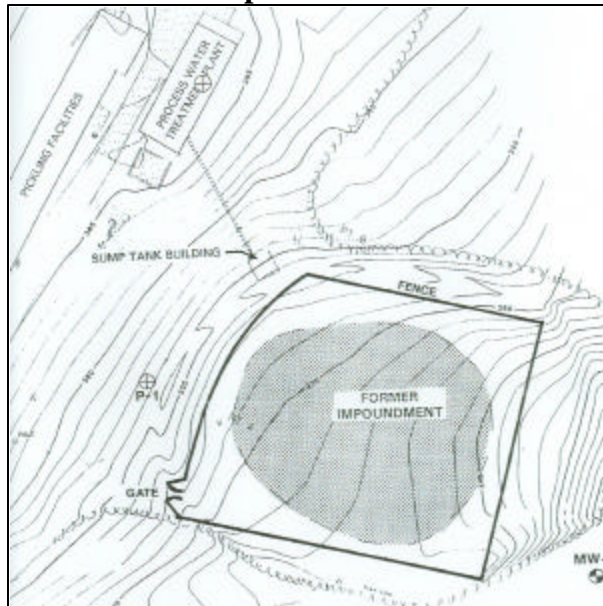
2306 Eastover Drive  
South Boston, VA 24592  
Congressional District 5  
EPA ID Number: VAD089022685  
Last Updated: July 6, 2007

**Topographic Site Map**



South Boston, VA USGS Quadrangle (1969, Photorevised 1990),  
Omega, VA USGS Quadrangle (1968, Photorevised 1980),  
Scale = 1:2,000

**Partial Site Map**



Not to Scale

## **Current RCRA CA Activities**

The Virginia Department of Environmental Quality (DEQ) issued a renewal of the facility's Hazardous Waste Management Post-Closure Permit on August 29, 2005. The permit includes facility (site-wide) corrective action (CA) requirements applicable to the former impoundment, which was closed as a hazardous waste landfill.

During a June 29, 2006 site visit conducted by the DEQ, no additional SWMUs or Areas of Concern (AOCs) were identified. Based on a review of historical documentation, discussions occurring during the visit, and on-site observations, the *Documentation of Environmental Indicator Determination – CA750* was completed on July 17, 2006 and the *Documentation of Environmental Indicator Determination – CA725* was completed on July 31, 2006.

Specifically, the Environmental Indicator (EI) RCRIS Code (CA750) documentation indicates that the migration of contaminated groundwater is under control, and that monitoring will be conducted to confirm that contaminated groundwater remains within the existing area of contaminated groundwater; and EI RCRIS Code (CA725) documentation indicates that the quality of the environment in relation to current human exposures to contamination is under control. These determinations will be re-evaluated when the DEQ becomes aware of significant changes at the facility.

The facility remains under compliance monitoring under the post-closure permit and none of the contaminants exceeds the groundwater protection standards (GPSs).

### **Site Description**

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Böhler-Uddeholm Specialty Metals, Inc. (Böhler) is located on more than 43 acres of land approximately one mile east of the Town of South Boston, Halifax County, Virginia. The facility lies in the Piedmont Plateau, approximately three-quarter miles north of the Dan River/Kerr Reservoir. The topography of the site is primarily flat, with the land sloping slightly from the northwest to the southeast. Rocky Branch is located west of Böhler's property and Wood's Creek is located east of the facility's former impoundment.

Böhler performed metal finishing services (rolling, drawing, grinding, straightening, etc.) in the production of specialty steels. These steels were used to manufacture drill bits, saw blades, cutting tools, and similar applications. During facility operations, from 1972 until 1985, lime stabilized spent pickle liquor solutions were temporarily stored in the former impoundment before being discharged into Wood's Creek. Discharge from the impoundment was performed in accordance with the facility's National Pollution Discharge Elimination System (NPDES) Permit (VA0051047).

The former impoundment was taken out of service in 1985. All liquids that had collected in the impoundment were removed in accordance with the NPDES Permit. Based on approved closure activities, the remaining waste, approximately 590 cubic yards of sludge, was closed in place and covered by a protective cap. Closure certification was successfully completed on June 21, 1989. Therefore, the post-closure care period for the former impoundment shall continue until June 21, 2019.

### **RCRA CA Milestones**

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To date, the following Resource Conservation and Recovery Act (RCRA) CA milestones have been completed at this facility:

- In September 1984, investigations and interim status groundwater monitoring for the former impoundment at the South Boston Plant began.
- On June 28, 1989, the RCRA Facility Assessment (RFA) was completed.

- On December 1, 1991, the facility was ranked as a “low” priority site according to the National Corrective Action Prioritization System (NCAPS).
- On September 28, 1994, the original Hazardous Waste Management Post-Closure Permit became effective; the Permit had an expiration date of September 28, 2004.
- In 2000, a Site Wide Corrective Action Module (VI) was added to the Permit to assess whether additional Hazardous and Solid Waste Amendment (HSWA) requirements will apply to this facility.
- On August 29, 2005, the Hazardous Waste Management Post-Closure Permit renewal became effective: the Permit has an expiration date of August 29, 2015.
- On July 17, 2006, the *Migration of Contaminated Groundwater Under Control* Environmental Indicator was met.
- On July 31, 2006, the *Current Human Exposures Under Control* Environmental Indicator was met.

Details and the supporting documentation regarding the above can be obtained by reviewing the files at DEQ’s Central Office or by contacting the project managers identified in this factsheet.

### Environmental Indicator Status

Under the Government Performance and Results Act (GPRA), the Environmental Protection Agency (EPA) set national goals to address high priority RCRA CA facilities by the year 2008. As in the 2005 baseline study, EPA is evaluating two key indicators for each facility: *Current Human Exposures Under Control* and *Migration of Contaminated Groundwater Under Control*. This facility is one of EPA Region 3’s high priority facilities and falls under the GPRA initiative.

The current Environmental Indicator Status for this facility is:

- *Human Exposures Controlled Determination:* The DEQ has made the EI determination of “yes, that current human exposures are under control.” The above determination is based upon the DEQ’s Current Human Health Environmental Indicator (HHEI) Determination Report, CA725, dated July 31, 2006. This above HHEI determination is considered current, effective July 6, 2007.
- *Release to Groundwater Controlled Determination:* The DEQ has made the EI determination of “yes, that migration of contaminated groundwater is under control,” based upon the review of CA information for the site contained in the EI determination, CA750, dated July 17, 2006. The above EI determination indicates that the migration of “contaminated” groundwater is believed to be under control, and that monitoring will be conducted to confirm that contaminated groundwater remains within the “existing area of contaminated groundwater.” This EI determination is considered current, effective July 6, 2007.

These determinations will be re-evaluated when the DEQ becomes aware of significant changes at the facility.

### **Contaminants**

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The contaminants which have been detected present in the soil and groundwater include antimony, barium, beryllium, cadmium, chromium, cobalt, copper, lead, nickel, silver, trichloroethene (TCE), vanadium, and zinc.

### **Institutional Controls**

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The Virginia Department of Environmental Quality (DEQ) issued a renewal of the facility's Hazardous Waste Management Post-Closure Permit on August 29, 2005. The permit includes facility (site-wide) corrective action (CA) requirements applicable to the former impoundment, which was closed as a hazardous waste landfill.

A Deed Notice is in place identifying the location of the former impoundment closed with waste in place as a hazardous waste landfill.

### **Community Involvement**

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A copy of all documents relating to the RCRA CA program at this facility are available for viewing at DEQ's Central Office located at 629 East Main Street in Richmond, Virginia. Additionally, public review can be conducted at:

Halifax County-South Boston Regional Library  
South Boston Branch  
509 Broad Street  
South Boston, VA 24592  
(434) 575-4228

The documents may be reviewed during normal library hours, Monday/Tuesday/Wednesday/Friday: 9:30 AM – 6:00 PM; Thursday: 11:30 AM – 8:00 PM; and Saturday: 9:30 AM – 1:00 PM. For more information about the library's operations, please visit the library's website at: <http://cave.pure.net/~hfaxlib/fsobolib.htm>.

### **Government Contacts**

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The Commonwealth of Virginia DEQ has the lead authority for this project. Please contact the DEQ project manager listed below for details on this project or the contents of this factsheet.

#### **DEQ Project Manager**

Fuxing Zhou  
Environmental Engineer Senior  
Department of Environmental Quality  
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**EPA Project Manager**

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USEPA - Region 3  
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For more information about EPA's CA program, including Environmental Indicators, please visit EPA's website at: [www.epa.gov/reg3wcmd/correctiveaction.htm](http://www.epa.gov/reg3wcmd/correctiveaction.htm).

**Facility Permit Contact**

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The facility contact, as listed in the RCRA Permit, is:

Mr. Barney Newberry  
Process Engineer  
Böhler-Uddeholm Specialty Metals, Inc.  
2306 Eastover Drive  
South Boston, VA 24592  
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**Fact Sheet Update**

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The previous fact sheet was updated January 2007. The next factsheet update is scheduled for January 1, 2008. Previous fact sheets may be obtained through the above DEQ contact.